

DOCUMENT 00 11 16
INVITATION TO BID

Sealed bids will be received by City of Dahlonega, on March 24, 2016 until 2:00PM, EST for construction of the Dahlonega Wastewater Treatment Plant Renovations, at which time they will be publicly opened and read aloud at the City of Dahlonega Town Hall, 465 Riley Road, Dahlonega, GA 30533.

Bids must be submitted on the complete project and must be enclosed in a sealed envelope, addressed to Mark Buchanan, City of Dahlonega, 465 Riley Road, Dahlonega, GA 30533. Outside of the envelope must be marked **“Bid for Wastewater Plant Renovations.”** Envelope must also bear, on the outside, the name of the bidder, bidder’s address, and bidder’s license number. All bids must be made on blank forms provided and included in the bound document or as provided by Addendum prior to bid.

The work will generally consist of the following construction services to be performed for a stipulated lump sum bid:

1. Effluent filter modifications to include:
 - a. Supply and installation of temporary self-contained packaged disk filter for service during work on existing filter system.
 - b. Removal and disposal of existing traveling bridge filter system.
 - c. Modifications to the existing filter concrete structure.
 - d. Installation of new bridge mounted, vertical flocculation system.
 - e. Installations of a new disk cloth filter system including automatic backwash system and related controls.
2. Improvements to the sequencing batch reactor (SBR) system to include:
 - a. Replacement of existing aeration headers and diffusers within both SBR basins to include drawdown of area ground water, transfer of SBR contents to operating SBR basin at a rate approved by the Owner and the removal, dewatering and disposal of semisolid bottom deposits of grit and heavy solids at the unit costs established in the bid.
 - b. Replacement of the existing waste activated sludge pump removal cables with guiderails.
 - c. Replacement of four (4) existing SBR 18” diameter, stainless steel flexible decant piping connectors (two in each SBR basin) and 18” PVC decant pipe sections (one section in each basin).
 - d. Removal of existing decant piping anchor bolts at wall embedded flange connection (one each basin) and replacement with stainless steel anchor bolts and chemical set anchor system.
 - e. Replacement of three (3) existing 100 horsepower blower motors with new high efficiency motors rated for inverter duty and three (3) variable frequency drives (VFD’s).
 - f. New dissolved oxygen (DO) monitoring system
 - g. Replacement of programmable logic controller (PLC) and related electrical equipment in the SBR control panel to include provisions for automated control of the aeration blower’s variable speed drives in response to DO set points in the SBR basins.
 - h. Replacement of gaskets in the above ground aeration header piping at the blower discharge.
 - i. Installation of a new aerial power supply and supports at each existing SBR floating mixers.
3. Modifications to the existing sludge dewatering system to include:
 - a. Replacement of the existing progressive cavity sludge supply pump.
 - b. Replacement of existing 1 meter solids dewatering belt filter press, screw conveyor and controls with a new 1.7 meter press, screw conveyor and controls with new control panel relocated into an adjacent room.

- c. Provision of a mobile dewatering service for dewatering waste activated sludge (WAS) at the unit costs established in the bid.
- d. Miscellaneous piping, electrical and building modifications associated with new filter press to include replacement of floor drain grating, demolition of existing concrete pads, new polymer containment pallet and modifications of the concrete filter press containment structure.
- e. Cleaning, surface preparation and painting of existing filter press access platform, filter press and sludge pump rooms and associated piping.

The following work is to be performed as “Owner Elective Bid Items” subject to selection depending upon the Owner’s funding availability:

- 1. Replacement of Ultraviolet (UV) light disinfection system and related modification to existing effluent UV structure and area walkway.
- 2. Modifications to the three (3) existing influent pumps to remove the cable removal systems and provide guide rail removal systems. Work is to include temporary pumps and piping for the by-pass of the existing influent pump station wet well during installation of the new guide rail assemblies.
- 3. Supply of five (5) electric valve actuators and replacement of six (6) existing electric valve actuators in the SBR influent, air and decant piping. The Owner shall supply one actuator already purchased and in storage for the decant piping.
- 4. Upgrade to the existing chemical feed systems to include:
 - a. Demolition of equipment, piping and controls not to be reused in the two (2) feed rooms.
 - b. Installation of new duplex, skid mounted chemical metering pumps and flow proportional controls, valves and piping for feeding alum to the plant influent, post equalization tank effluent and two aerobic digesters.
 - c. Installation of new duplex, skid mounted slurry chemical metering pumps, valves and piping for feeding a lime or magnesium hydroxide slurry to the plant influent and Post Equalization tank effluent.
 - d. Power wash and painting of chemical feed rooms and piping.

Each proposal shall be accompanied by a cash deposit or certified check, drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation, in an amount equal to not less than five percent of the proposal. In lieu thereof, the bidder may offer a bid bond of five percent of the bid prepared on the Bid Bond form contained within the Contract Documents or a Surety Company's Standard Bid Bond form, duly executed by the Bidder as principal and executed by a surety company licensed under the laws of Georgia to execute such bonds and listed in the latest issue of U. S. Treasury Circular 570, conditioned that the surety will, upon demand, forthwith make payment to the obligee upon said bond if the bidder fails to execute the contract in accordance with the bid bond. Said deposit shall be retained by the Owner as liquidated damages in event of failure of the successful bidder to execute the contract within ten days after the award or to give satisfactory surety as required by law.

Plans, Specifications and Contract Documents may be examined at: W.K. Dickson & Co., Inc., 1450 Greene Street Suite 225, Augusta, GA 30901. Plans, Specifications, and Contract Documents are available for purchase by going to Plan Room at www.wkdickson.com. **Please note that only registered plan holders may bid as a General Contractor.**

No bid may be withdrawn after the scheduled closing time for the receipt of bids for a period of 90 days.

Bidders must comply with the President’s Executive Order No. 11246, as amended, which prohibits discrimination in employment regarding race, creed, color, sex, or national origin.

A pre-bid meeting will be conducted on March 10, 2016 at 2:00PM at the City of Dahlonega WWTP, located at 464 Mechanicsville Road, Dahlonega, GA 30533. Attendance is recommended but not mandatory.

The Contractor shall comply with the Department of Labor Safety and Health Regulations for construction promulgated under the Occupational Safety and Health Act of 1970 (PL91-596) and under Section 107 of the Contract Work Hours and Safety Standards Act (PL91-54), or latest revisions.

All Equipment/Manufacturer "Or-Equal" Qualification Packages, per the Instructions to Bidders (Document 00 21 13) must be submitted at least ten days prior to the advertised bid date.

The Owner reserves the right to reject any or all bids and to waive informalities and technicalities.

END OF INVITATION TO BID

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